Amendments to the Specification

Please replace the paragraph beginning at page 3, line 6 of the specification with the following amended paragraph:

When MN 102 moves from one location to another location that is outside the range of network element 108, MN 102 needs to establish contact with another network element in order to maintain contact with a correspondent node 120. The location change of MN 102 is shown by arrow 118. The correspondent node 120 may be any device that can understand and communicate (transmit and receive) IP packets to a mobile unite 102. The correspondent node [[102]] 120 may be, for example, another mobile unit, a computer, a Personal Digital Assistant (PDA), or any other device that is capable of communicating with [[a]] an IP network.

Please replace the paragraph beginning at page 5, line 3 of the specification with the following amended paragraph:

In response to the messages given by MN 102, Next Router 110 ~~instantiated~~ instantiates a header compression instance, step 508. Next Router 110 then initializes the header compression instance with state information probed by MN 102, step 522. Previous Router 108 updates its forwarding table, step 510, in order to ensure that [[packet]] packets that are sent to the MN 102 through its previous Care-of-Address (CoA) are sent tunneled to Next Router 110. Previous Router 108 then sends an acknowledgment message (ACK) back to MN via Next Router 110, step [[516]] 511.

Please replace the paragraph beginning at page 8, line 26 of the specification with the following amended paragraph:

In FIG. 2, correspondent node CN 202 sends uncompressed packet 204, as shown by arrow 212, to R1 108 via network 206. Uncompressed packet 204 may be part of a stream of uncompressed packets and may include packets that are destined for the previous Care of Address (CoA) (not shown) of MN 102. Uncompressed packet 204 may include a new CoA 216, an uncompressed header 218, and a payload 222. R1 108 receives uncompressed packet [[212]] 204 and compresses it. R1 108 then tunnels compressed packet to R2 110, as shown by arrow 214. Compressed packet 208 may be one of a stream of packets that are tunneled from R1 108 to R2 110, and may include a new CoA 216, a compressed header 224, and a payload 222.